

To: Mike Johnson[mike.johnson@copperenv.com]; Brown, Anthony R (RM)[anthony.brown@bp.com]
Cc: Doug Carey[douglas.carey@waterboards.ca.gov]; Stetler, Chris@Waterboards[Chris.Stetler@waterboards.ca.gov]; Greg Reller[gr@burlesonconsulting.com]; Cory Koger[Cory.S.Koger@usace.army.mil]; Lombardi, Marc (marc.lombardi@amecfw.com)[marc.lombardi@amecfw.com]; Wirschafter, Joshua[Wirschafter.Joshua@epa.gov]; Cohen, Adam[Adam.Cohen@dgslaw.com]
From: Deschambault, Lynda
Sent: Thur 4/13/2017 3:33:04 PM
Subject: RE: Leviathan Weekly Update
[170406 TZ 009a.jpg](#)
[170406 TZ 011.JPG](#)
[170406 TZ 013.JPG](#)
[170412 EPA Weekly Update final2.pdf](#)

Thanks Mike/Tony!

Please copy the the waterboard. As noted, it is important for consistency.

- April 5th--Doug, could you let me know if waterboard and/or TKT worked on site that day? If so ARC's "no site access" should be better clarified and consistent. Ditto on April 8 and 9.

- Please reference and include or attach the waterboard photos provided on April 6, 2017. Below and attached.

- April 7th- ARC provides a photo of the pond 4 HDS discharge, did you take flow measurements? Waterboard and EPA weeklies estimated approximately 40 to 50 gpm? Please confirm.

Please clarify if a discharge sample taken as EPA requested--- Or is ARC assuming pond sample = discharge sample?

- April 11th—is this the date repair was completed and discharge was stopped. Please confirm?

- EPA looks forward to receiving the other chemistry data for the discharge as soon as available. (Please do not wait for next weekly report)

Also, On Charts, as requested, please shade/highlight any exceedences. i.e. Copper?

Lynda

From: Mike Johnson [mailto:mike.johnson@copperenv.com]
Sent: Wednesday, April 12, 2017 6:47 PM
To: Deschambault, Lynda <Deschambault.Lynda@epa.gov>
Cc: anthony.brown@bp.com; gr@burlesonconsulting.com; Andy Slavik <andy.slavik@copperenv.com>; Abby Cazier <abby.cazier@copperenv.com>; Cohen, Adam <Adam.Cohen@dgsllaw.com>; Dave McCarthy <dave.mccarthy@copperenv.com>; tavassoli, lily <tavassoli.lily@epa.gov>; douglas.carey@waterboard.ca.gov; Barton, Dana <Barton.Dana@epa.gov>; Marc Lombardi <Marc.Lombardi@amecfw.com>; 'Jef Peake' <jpeake@broadbentinc.com>
Subject: Leviathan Weekly Update

Lynda,

Please find attached the weekly update for April 5, 2017 through April 12, 2017. Snow removal efforts helped us improve access to the Aspen Seep Bioreactor for routine Maintenance today.

Please let us know if you have any questions.

Mike Johnson, PE

Senior Engineer

406 East Park Avenue, Suite 2

Anaconda, MT 59711

Phone (406) 563-2700 ext. 309

Fax (406) 563-2701

Mobile (406) 560-5906

email: mike.johnson@copperenv.com

www.copperenv.com

From: Carey, Douglas@Waterboards [mailto:douglas.carey@waterboards.ca.gov]
Sent: Thursday, April 06, 2017 3:45 PM
To: Deschambault, Lynda <Deschambault.Lynda@epa.gov>
Cc: Brown, Anthony R (RM) (anthony.brown@bp.com) <anthony.brown@bp.com>;
gr@burlesonconsulting.com; Cory.s.koger@usace.army.mil; Ferguson, Scott@Waterboards
<scott.ferguson@waterboards.ca.gov>; Stetler, Chris@Waterboards
<Chris.Stetler@waterboards.ca.gov>; Zentner, Taylor@Waterboards
<taylor.zentner@waterboards.ca.gov>; Tom Bloomfield (tbloomfield@thegallaghergroup.com)
(tbloomfield@thegallaghergroup.com) <tbloomfield@thegallaghergroup.com>; Lombardi, Marc
(marc.lombardi@amecfw.com) <marc.lombardi@amecfw.com>
Subject: Leviathan Mine Observation - Pond 4 near HDS

Hi Lynda,

I am forwarding to you a brief field observation from today's visit to Leviathan Mine by Water Board staff (see below and attached photos). It appears there is a discharge currently taking place from the Pond 4 overflow standpipe (near the HDS plant) to Leviathan Creek.

Please let me know if you have any questions,

Douglas Carey, P.G.

Senior Engineering Geologist

Leviathan Mine

Regional Water Quality Control Board, Lahontan Region

2501 Lake Tahoe Blvd.

South Lake Tahoe, CA 96150

(530) 542-5468

douglas.carey@waterboards.ca.gov

From: Zentner, Taylor@Waterboards
Sent: Thursday, April 06, 2017 3:07 PM
To: Carey, Douglas@Waterboards
Cc: Ferguson, Scott@Waterboards
Subject: Leviathan Mine Observation - Pond 4 near HDS

Doug,

While performing routine site observations today in the vicinity of the bottom of the Leviathan Creek concrete channel Darin and I noticed an unusually high flow of approximately 40-50 gpm coming from the 4-inch PVC Pond 4 overflow pipe (Pond 4 near the HDS plant), see photo 009a. This caused us to investigate the Pond 4 overflow structure in an effort to determine the source of the unusually high flow. As can be seen in photos 011 and 012 the Pond 4 overflow pipe appears to be compromised and flow could be heard entering the overflow pipe. Pond 4 is currently discharging to Leviathan Creek as seen in photo 009a.

If you have any questions please let us know.

Thanks

Taylor

Taylor Zentner

Engineering Geologist

Leviathan Mine

Regional Water Quality Control Board, Lahontan Region

2501 Lake Tahoe Blvd.

South Lake Tahoe, CA 96150

530-542-5469